



# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

In reply to:  
Public Notice Number: NAN-2015-01327-WCA  
Issue Date: September 12, 2017  
Expiration Date: October 11, 2017

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), and Section 404 of the Clean Water Act (33 U.S.C. 1344).

**APPLICANT:** Signature Flight (Support Corp.)  
201 South Orange Avenue, Suite 1100  
Orlando, Florida 32801

**ACTIVITY:** Discharge fill into waters of the United States to facilitate the proposed construction of a 40,500 square foot aircraft hangar and an associated aircraft asphalt apron area. The proposed aircraft hangar would additionally accommodate office and associated vehicular parking.

**WATERWAY:** East Riser Ditch (Hackensack River Watershed)

**LOCATION:** Boroughs of Teterboro and Moonachie, Bergen County, New Jersey.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

**ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE,**  
otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The New York District has made the preliminary determination that the site-specific effects are not likely to have an effect on Essential Fish Habitat. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

In addition to any required water quality certificate, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- (New Jersey Department of Environmental Protection Flood Hazard Permit)

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for Jim Cannon.

In order for us to better serve you, please complete our Customer Service Survey located at  
<http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

For more information on New York District Corps of Engineers programs, visit our website at  
<http://www.nan.usace.army.mil>.

  
For: Stephan A. Ryba  
Chief, Regulatory Branch

Enclosures

### WORK DESCRIPTION

The applicant, Signature Flight (Support Corp.), a fixed based operator at the Teterboro Airport, has requested Department of the Army authorization to discharge fill material into waters of the United States to facilitate the construction and installation of an aircraft hangar with an associated asphalt apron. The proposed aircraft hangar would additionally accommodate office and vehicular parking. The project site is located within the Teterboro Airport (TEB) in the Boroughs of Teterboro and Moonachie, Bergen County, New Jersey.

The work would involve the discharge of approximately 11,500 cubic yards of fill material into approximately 4.51 acres of wetlands to facilitate the construction and installation of a 40,000 square foot (325-foot long by 124-foot wide) one-story aircraft hangar. The proposed hangar would accommodate approximately 4,500 square feet of office space and 53 associated vehicular parking spaces. As part of the hangar construction activities, an associated 186,437 square foot asphalt apron would be constructed around a portion of the hangar for aircraft parking and repositioning. Of the 4.51 acres of proposed permanent impacts to wetlands, approximately 3.11 acres would consist of non-tidal forested/scrub shrub wetlands, and 1.40 acres would consist of non-tidal emergent wetlands.

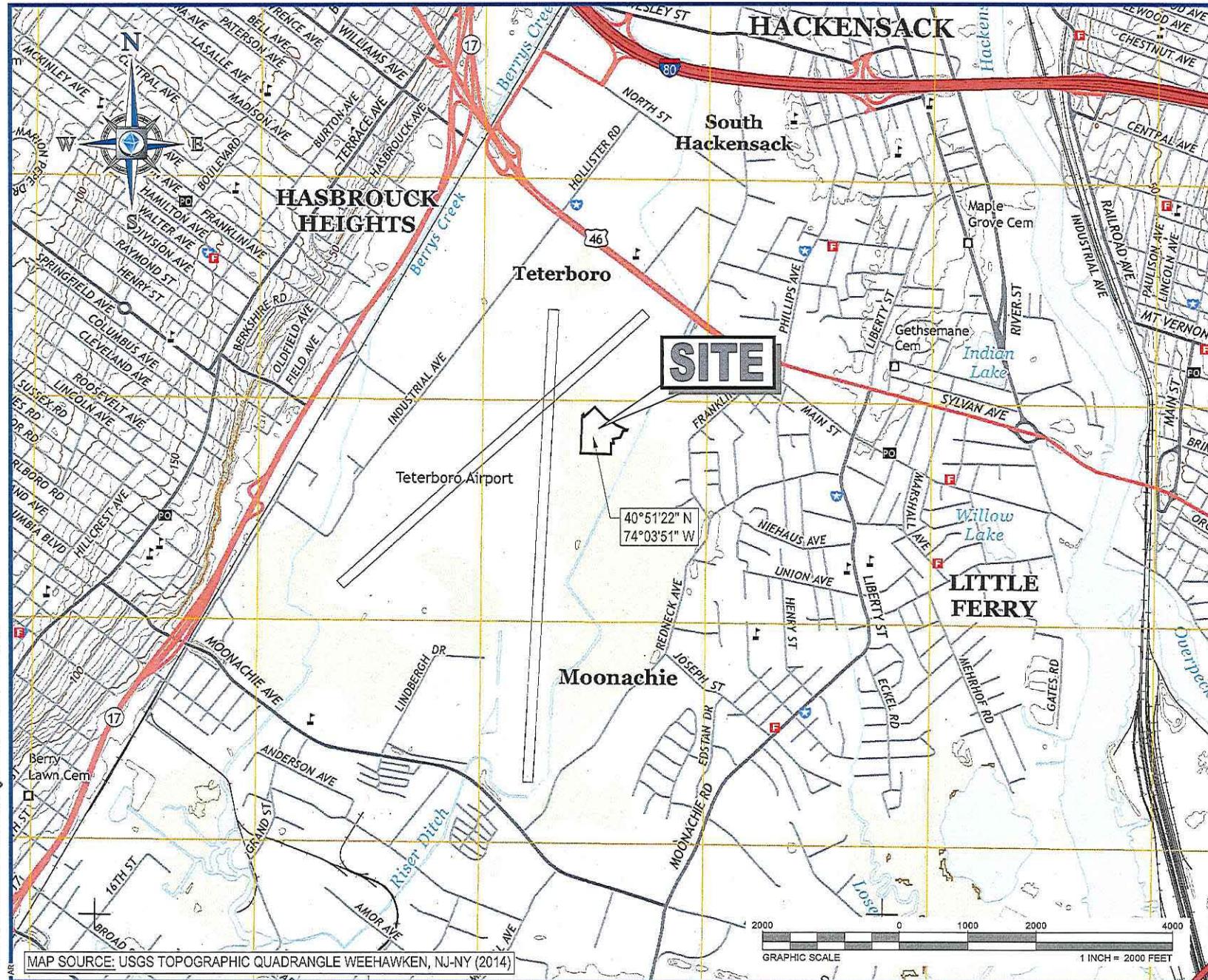
To compensate for the permanent impacts to waters of the United States associated with the proposed project, the applicant proposes to establish and enhance the following acreage areas at a 44.37 acre site located along the Oradell Reservoir in the Borough of Closter, Bergen County, New Jersey:

- Establish 1.16 acres of forested and scrub shrub wetlands;
- Enhance a total of 11.55 acres of forested and scrub shrub wetlands; and
- Enhance 1.01 acres of adjacent uplands.

The applicant stated that the purpose of the project to expand the existing Signature Flight Support facility at Teterboro Airport is to:

- Address the physical space requirements and maintenance demands of the "next generation" aircraft already using the airport;
- Help meet Teterboro Airport sustainability goals of reducing air and noise pollution by reducing unnecessary "ferry" flights, and address operational congestion at the airport;
- Reduce arrival and departure delays caused by overcrowded taxiways;
- Improve the safety and efficiency of the existing Signature Flight Support East facility with regard to aircraft movement and storage; and,
- Meet the demand of general aviation travelers to and from the New York-New Jersey metropolitan area.

The applicant additionally stated that the Signature Flight expansion project is additionally needed to address the existing Signature Flight Support waiting list, as the size of the aircraft flying into and out of, and based at TEB is increasing. The increase in the size of aircraft, along with fundamental design changes to new aircraft, have resulted in fewer aircraft being able to be stored at the existing Signature Flight Support hangars and apron areas, as well as other TEB facilities than a decade ago. The proposed expansion project would address the loss of aircraft parking capacity at the existing Signature Flight Support facility, and would provide additional hangar and apron space for waiting and future Signature Flight Support customers. The preferred alternative, as described above, was designed to avoid and minimize impacts to waters of the United States while still achieving the project purpose.



|  |            |                              |         |
|--|------------|------------------------------|---------|
| <b>BOHLER</b><br>ENGINEERING   |            |                              |         |
| Site Civil and Consulting Engineering  |            |                              |         |
| Land Surveying Programmatic Landscape Architecture   |            |                              |         |
| Transportation Services  |            |                              |         |
| Sustainable Design Permitting Services   |            |                              |         |
| Philadelphia, PA<br>Northern Virginia<br>Central Virginia<br>Lehigh Valley, PA<br>South East, PA<br>Charlotte, NC<br>South Florida   |            |                              |         |
| Upstate NY, NY<br>Boston, MA<br>New York Metro<br>New Haven, CT<br>New Jersey  |            |                              |         |
| New England<br>Southern Maryland   |            |                              |         |
| PROJECT NO.: J110616<br>DRAWN BY: MJR<br>CHECKED BY: DJ<br>DATE: 09/16/2015<br>SCALE: AS SHOWN<br>CAD I.D.: J110616-CDS-08   |            |                              |         |
| REVISIONS  |            |                              |         |
| REV  | DATE       | COMMENT                      | DRAWING |
| 1  | 10/13/2016 | REV. PER ARMY CORPS COMMENTS | MJR     |
| 2  | 08/01/2017 | REV. PER ARMY CORPS COMMENTS | BE      |
| PROJECT: SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT TETERBORO AIRPORT BLOCK 203; PART OF LOT 1 BOROUGH OF TETERBORO BERGEN COUNTY, NEW JERSEY   |            |                              |         |
| <b>BOHLER</b><br>ENGINEERING<br>35 TECHNOLOGY DRIVE<br>WARREN, NJ 07059<br>Phone: (908) 754-3000<br>Fax: (908) 754-4401<br><a href="http://www.BohlerEngineering.com">www.BohlerEngineering.com</a><br>NJ CERT. OF AUTHORIZATION NO. 24G42010170 |            |                              |         |
| K.B. CAHILL  |            |                              |         |
| PROFESSIONAL ENGINEER<br>NEW JERSEY LICENSE NO. 42004  |            |                              |         |
| SHEET TITLE:<br><b>VICINITY MAP</b>  |            |                              |         |
| SHEET NUMBER: 1<br>OF 23   |            |                              |         |

## PROJECT NOTES:

1. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:
    - "PARTIAL TOPOGRAPHIC, LOCATION, & UTILITY SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 08/17/2012, LAST REVISED 04/14/2015
  2. CONTOUR ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
  3. 100-YEAR FLOOD ELEVATION (TIDAL) = 8.0 FT NAVD88. THE ENTIRE PROJECT SITE IS WITHIN THE FLOOD HAZARD AREA.
  4. THE FLOOD HAZARD AREA DESIGN FLOOD ELEVATION WAS DETERMINED USING METHOD 2, IN ACCORDANCE WITH N.J.A.C.7:13-3. THE DESIGN FLOOD ELEVATION IS BASED ON THE MOST RECENT FEMA FIRM MAPS DATED 08/29/2014.
  5. PROPOSED NEW IMPERVIOUS COVERAGE = 253,080 SQUARE FEET (5.83 AC.), OF WHICH 40,500 SQUARE FEET (0.93 AC.) IS BUILDING COVERAGE.
  6. PROPOSED TOTAL PROJECT DISTURBANCE = 310,422 SQUARE FEET (7.12 AC.).
  7. PROPOSED WETLANDS DISTURBANCE = 196,302 SQUARE FEET (4.51 AC.).
  8. APPROXIMATELY 11,425 CUBIC YARDS OF FILL PROPOSED WITH THE DELINEATED WETLANDS.
  9. WETLANDS DELINEATION FLAGS WERE PLACED IN THE FIELD BY ROUX ASSOCIATES, INC. ON 05/08/2015.

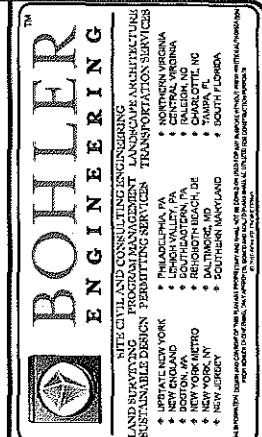
## DRAWING SHEET INDEX

| SHEET TITLE           | SHEET NUMBER |
|-----------------------|--------------|
| VICINITY MAP          | 1 OF 23      |
| GENERAL NOTES SHEET   | 2 OF 23      |
| OVERALL SITE PLAN     | 3 OF 23      |
| DEMO PLANS (A-D)      | 4-7 OF 23    |
| SITE PLANS (A-D)      | 8-11 OF 23   |
| GRADING PLANS (A-D)   | 12-15 OF 23  |
| UTILITY PLANS (A-D)   | 16-19 OF 23  |
| CROSS-SECTION KEY MAP | 20 OF 23     |
| CROSS-SECTIONS        | 21-23 OF 23  |

## GRAPHIC LEGEND

(U010102 - 03/12/12)

|  |   |
|--|---|
|  | PROPR. FINISH GRADE CONTOUR & ELEVATION   |
|  | PROPR. WATER                              |
|  | EXST. GAS                                 |
|  | PROPR. GAS                                |
|  | EXST. ELECTROTELEPHONE                    |
|  | PROPR. ELECTROTELEPHONE                   |
|  | EXST. ELECTROTELEPHONE/CABLE              |
|  | PROPR. ELECTRIC TELEPHONE/CABLE           |
|  | EXST. OVERHEAD WIRES                      |
|  | PROPR. OVERHEAD WIRES                     |
|  | EXST. STORM PIPE                          |
|  | PROPR. STORM PIPE                         |
|  | EXST. SANITARY PIPE                       |
|  | PROPR. SANITARY PIPE                      |
|  | PROPR. DIRECTION OF DRAINAGE FLOW ARROW   |
|  | EXISTING ELEVATION                        |
|  | EXST. TOP OF CURB ELEVATION               |
|  | EXST. GRADE ELEVATION                     |
|  | PROPR. TOP OF WALL ELEVATION              |
|  | PROPR. GRADE ON HIGH SIDE OF WALL         |
|  | PROPR. GRADE ON LOW SIDE OF WALL          |
|  | PROPR. TOP OF CURB & FINISHED GRADE ELEV. |
|  |   |
|  |   |
|  | EXIST. AREAYARD LIGHT                     |
|  | PROPR. AREAYARD LIGHT                     |
|  | PROPR. CLEAN OUT                          |
|  | EXIST. INLET                              |
|  | PROPR. PALET                              |
|  | EXIST. MANHOLE                            |
|  | PROPR. STORM MANHOLE                      |
|  | PROPR. SANITARY MANHOLE                   |
|  | EXIST. HYDRANT                            |
|  | PROPR. HYDRANT                            |
|  | EXIST. UTILITY VALVE                      |
|  | PROPR. UTILITY VALVE                      |
|  | EXIST. UTILITY POLE                       |
|  | PROPR. UTILITY POLE                       |
|  | EXIST. TRAFFIC SIGNAL                     |
|  | PROPR. TRAFFIC SIGNAL                     |



| REVISIONS               |            |                                |          |
|-------------------------|------------|--------------------------------|----------|
| REV.                    | DATE       | COMMENT                        | CARD ID  |
| 1                       | 10/13/2016 | REV. PER ARMY<br>CORPS COVENTS | AJ-13    |
| 2                       | 08/01/2017 | REV. PER ARMY<br>CORPS COVENTS | AJ-13 BE |
| PROJECT No.: J110616    |            |                                |          |
| DRAWN BY: [Signature]   |            |                                | BL       |
| CHECKED BY: [Signature] |            |                                | DI       |
| DATE: 08/01/2017        |            |                                |          |
| SCALE: AS SHOWN         |            |                                |          |
| CADDID: J110616CS09     |            |                                |          |

PROJECT: SITE  
DEVELOPMENT  
FOR  
SIGNATURE  
FLIGHT SUPPORT  
TETERBORO AIRPORT  
BLOCK 203; PART OF LOT 1  
BOROUGH OF TETERBORO  
BERGEN COUNTY, NEW JERSEY

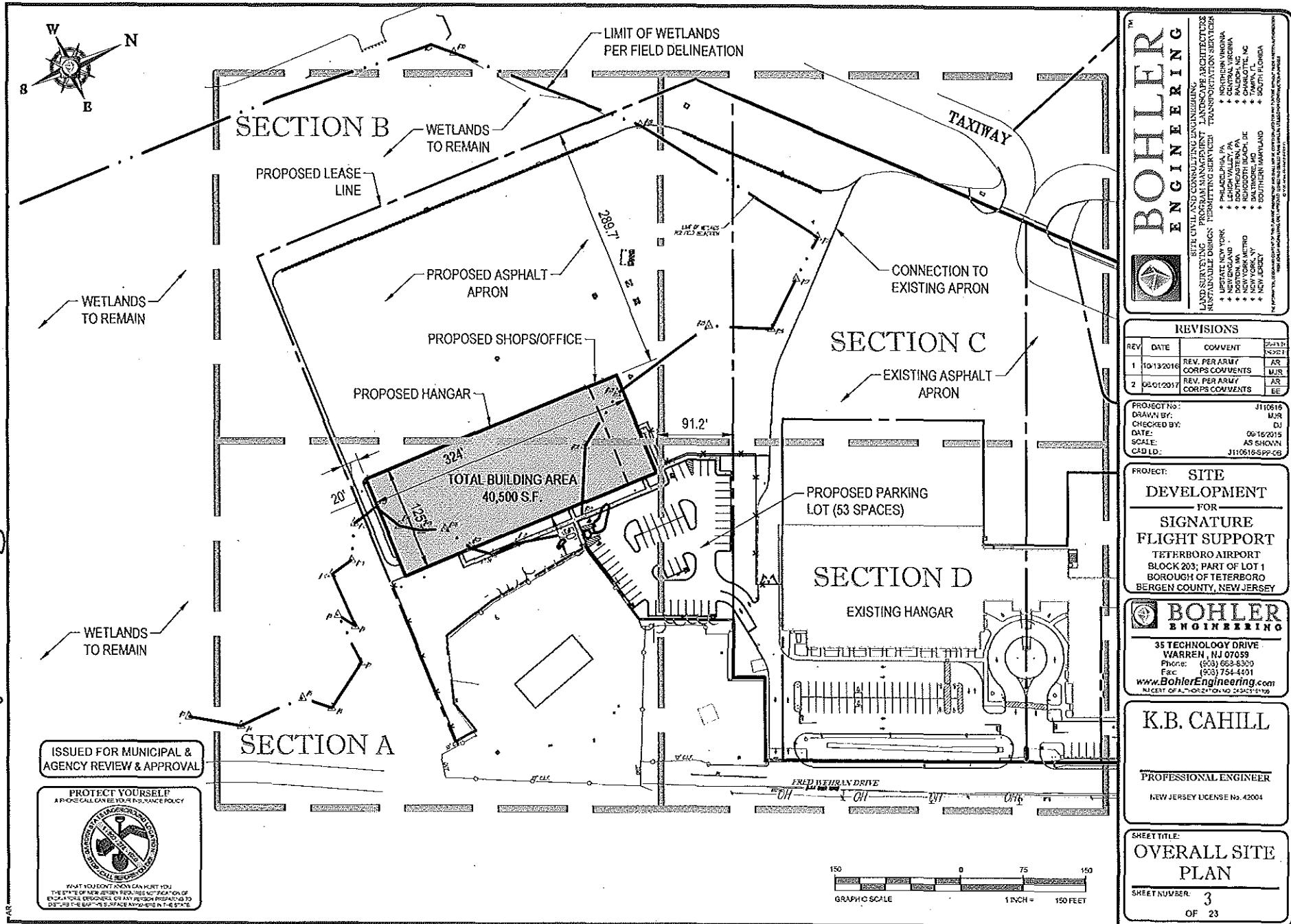


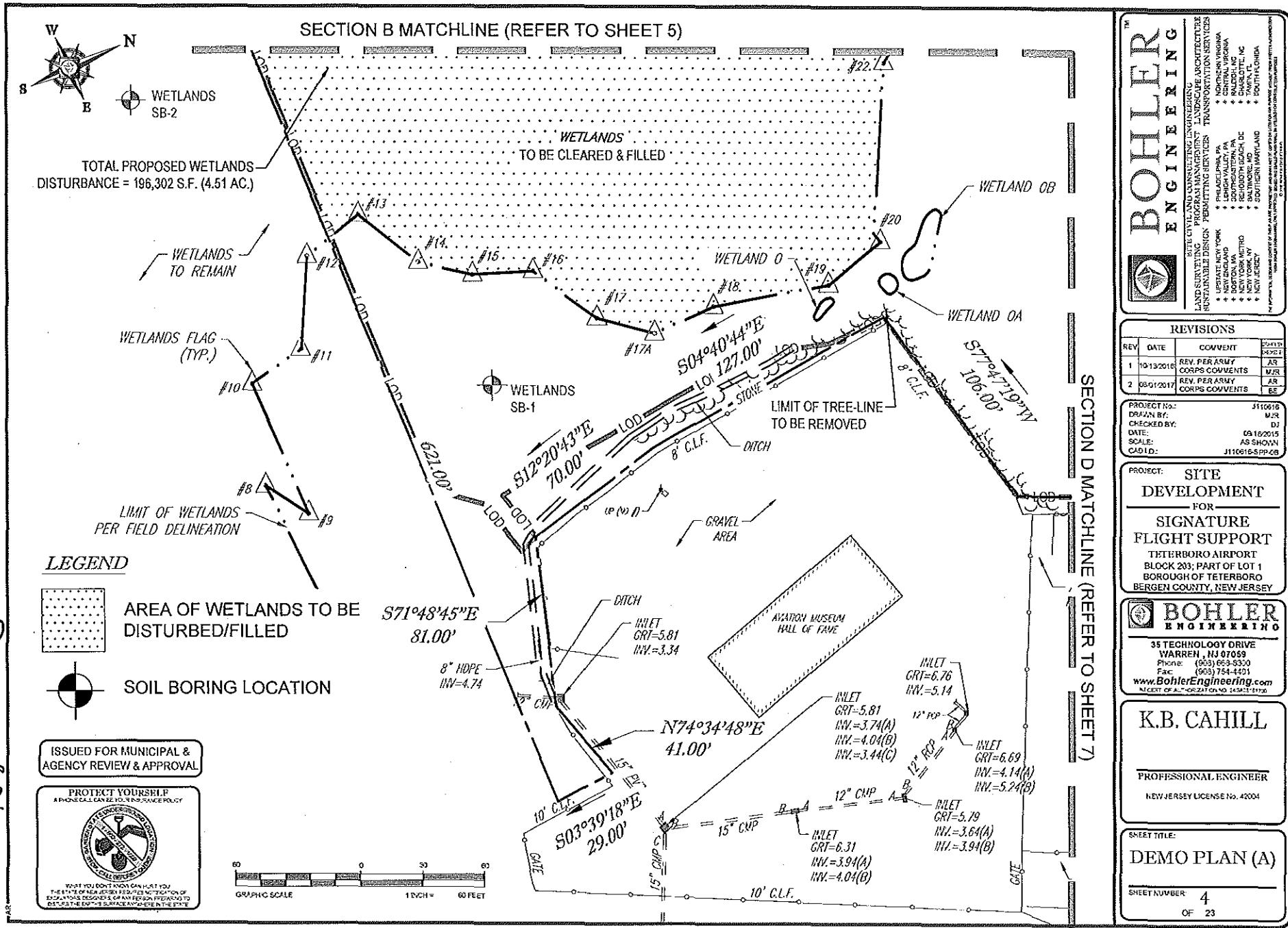
К.В. САНИЛ.

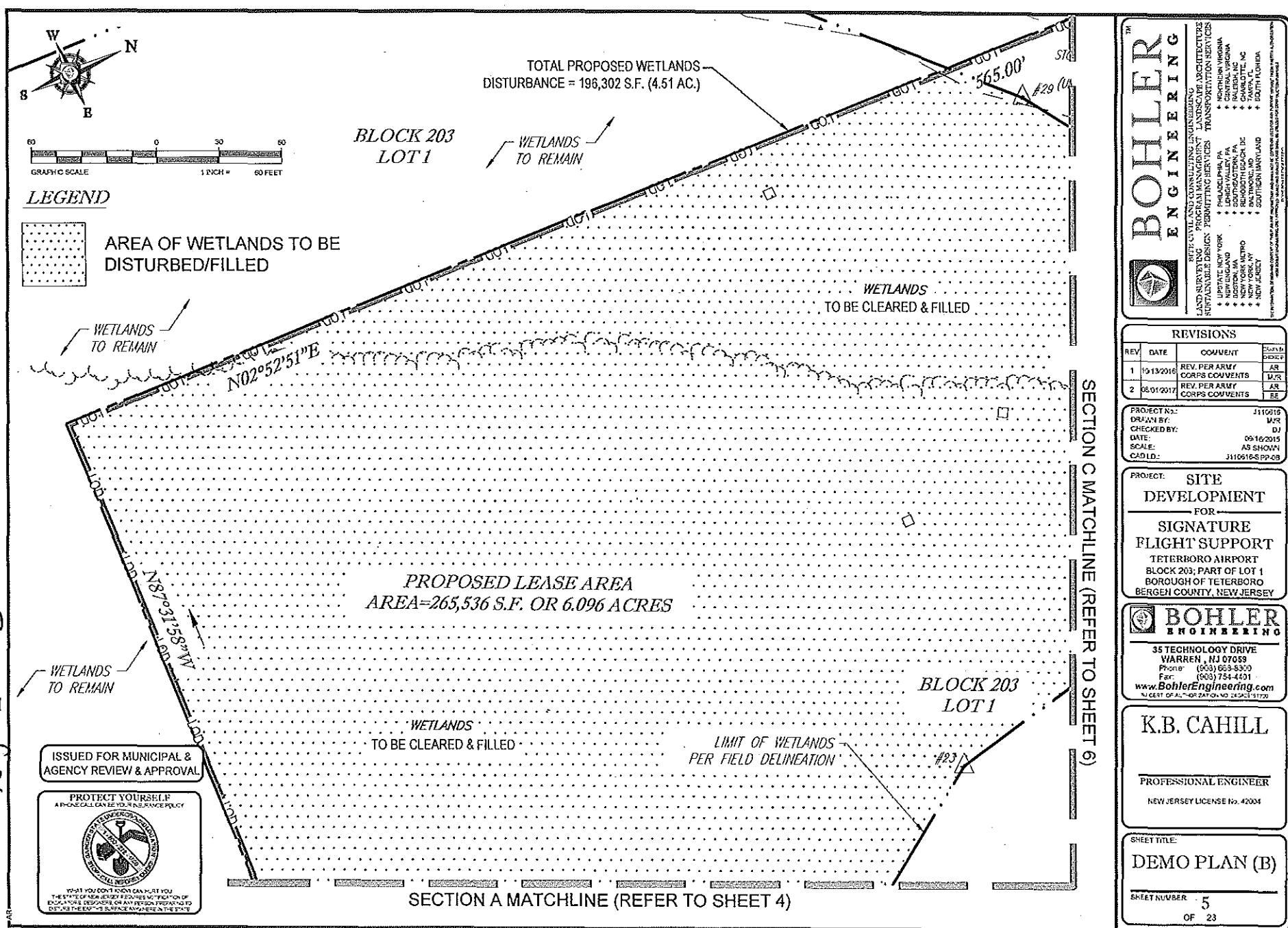
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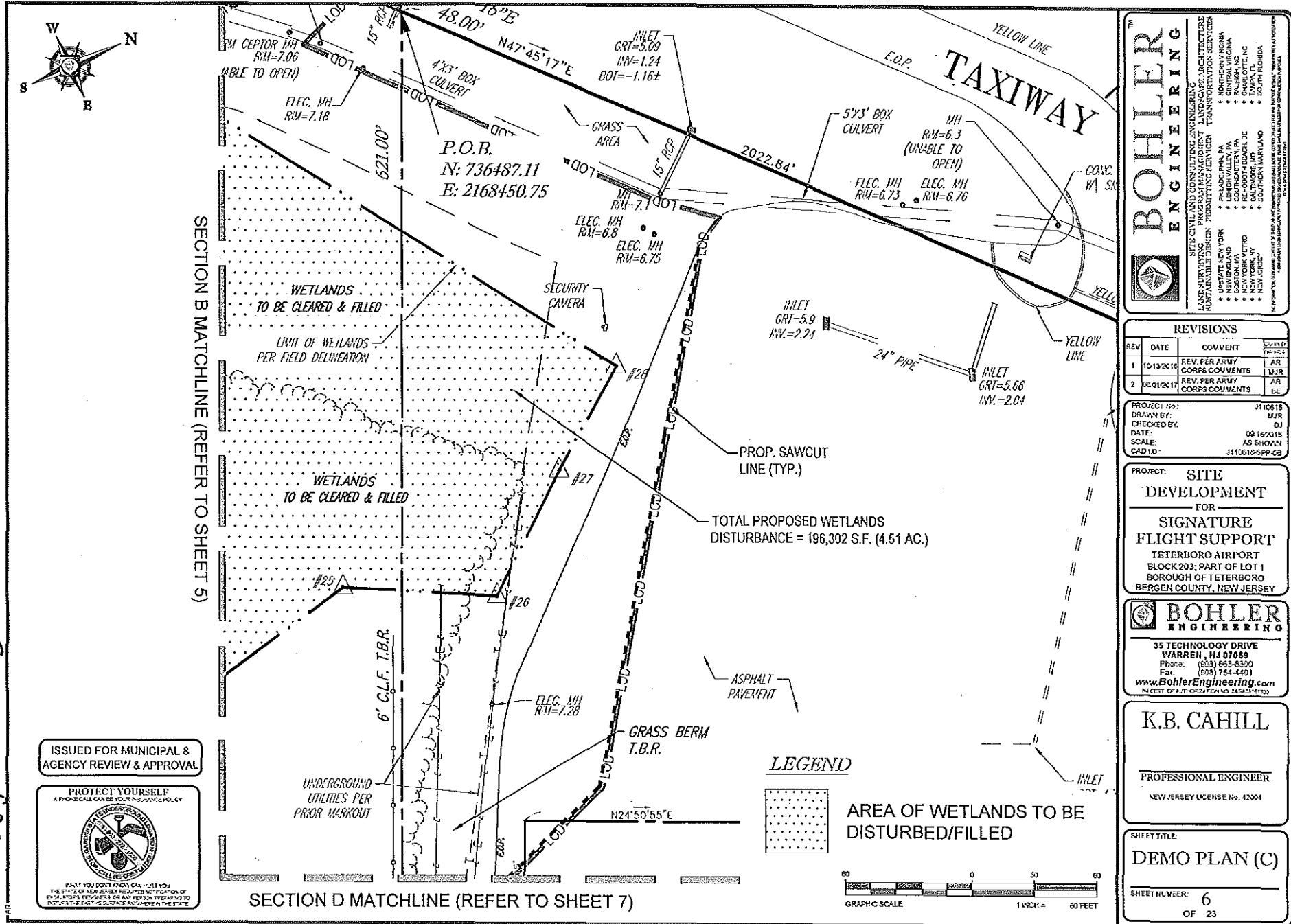
PROFESSIONAL ENGINEER  
LICENSE NUMBER: 111111

**GENERAL NOTES**

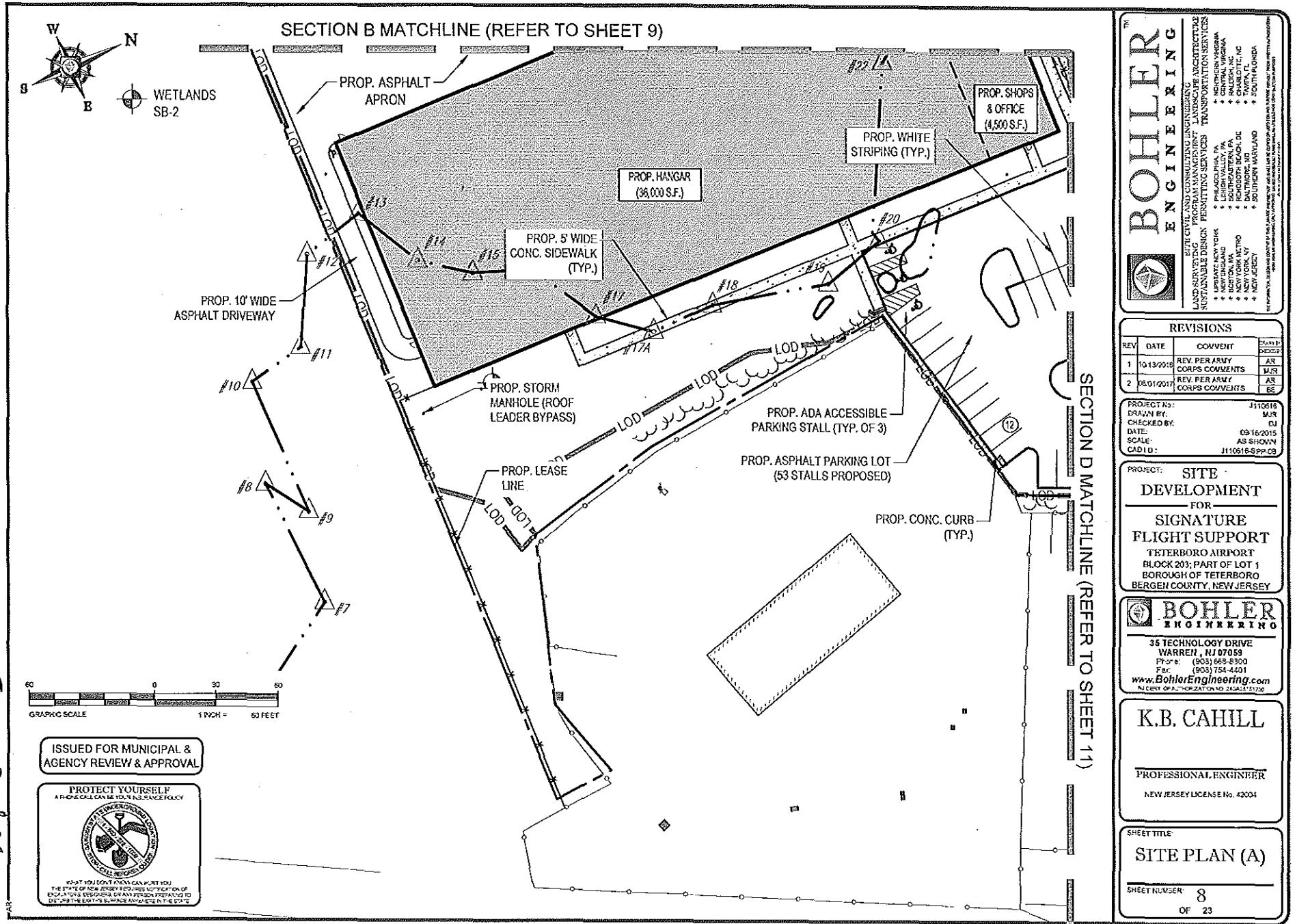


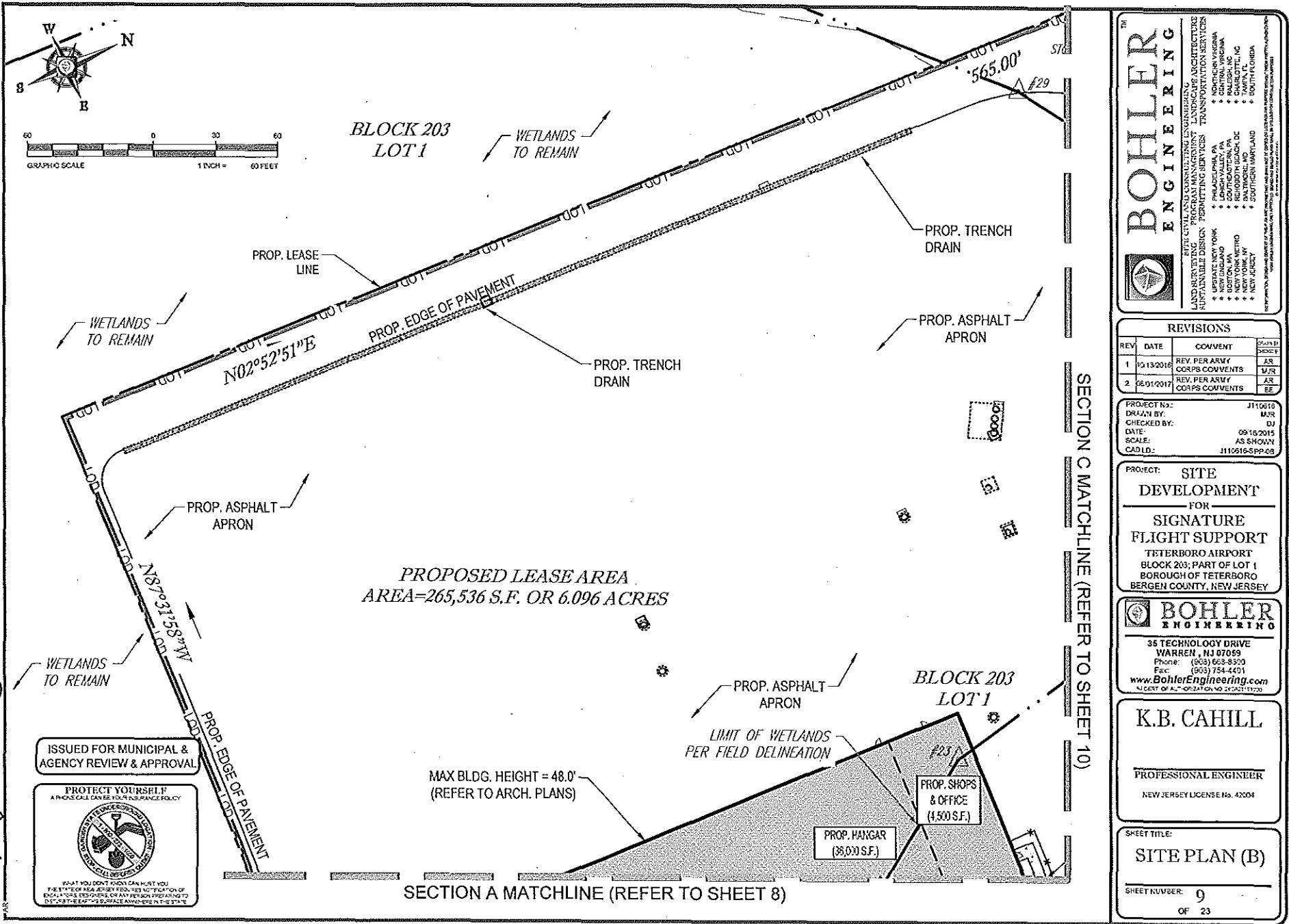


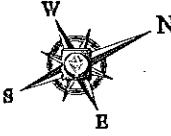












**SECTION B MATCHLINE (REFER TO SHEET 9)**

**SECTION D MATCHLINE (REFER TO SHEET 11)**

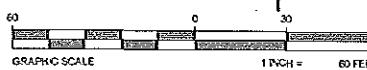
ISSUED FOR MUNICIPAL &  
AGENCY REVIEW & APPROVAL



WHAT YOU DON'T KNOW CAN HURT YOU  
THE STATE OF NEW JERSEY PROHIBITS NOTIFICATION OF  
DRAFTERS, DESIGNERS, OR ANY PERSON PREPARING TO  
STAB THE EAST'S SURFACE ANYWHERE IN THE STATE.

This site plan diagram illustrates the proposed construction of a new taxiway and associated infrastructure. The plan includes the following key features and labels:

- TAXIWAY:** A curved concrete structure labeled "TAXIWAY" at the top right.
- PROPOSED CONCRETE:** Labeled "CONCRETE" with a dimension of 240.00'.
- PROPOSED EDGE OF PAVEMENT:** A dashed line labeled "E.O.P.".
- PROPOSED LEASE LINE:** A vertical dashed line labeled "PROP. LEASE LINE".
- PROPOSED TRENCH DRAIN:** A line labeled "PROP. TRENCH DRAIN" with arrows pointing towards it.
- SECURITY CAMERA:** A camera icon labeled "SECURITY CAMERA".
- PROPOSED LIMIT OF FULL DEPTH PAVEMENT:** A dashed line labeled "PROP. LIMIT OF FULL DEPTH PAVEMENT".
- PROPOSED ASPHALT APRON:** A dashed line labeled "PROP. ASPHALT APRON".
- PROPOSED MILL & OVERLAY AS REQUIRED TO MATCH EXISTING APRON:** A dashed line labeled "PROP. MILL & OVERLAY AS REQUIRED TO MATCH EXISTING APRON".
- ASPHALT PAVEMENT:** A solid line labeled "ASPHALT PAVEMENT".
- PROPOSED SAWCUT LINE:** A dashed line labeled "PROP. SAWCUT LINE".
- UNDERGROUND UTILITIES PER PRIOR MARKOUT:** A line labeled "UNDERGROUND UTILITIES PER PRIOR MARKOUT".
- ELECTRICAL UTILITIES:** Labels "ELEC. MH" and "ELEC. NH" indicating utility locations.
- INLETS:** Multiple labels "INLET" indicating drainage points.
- COORDINATES:** Coordinates N47°45'17"E and N24°50'55"E are marked along the bottom edge.
- VERTICAL ALIGNMENT:** Vertical alignment markers #25, #26, #27, and #28 are shown along the proposed structures.
- WATER LEVEL:** A dashed line labeled "W.L.D." representing water level.
- TOP:** A dashed line labeled "TOP" indicating the top surface of the proposed structures.
- LOD:** A dashed line labeled "LOD" indicating the low point of drainage.
- YARDING:** A dashed line labeled "YARDING" near the bottom center.
- WATER LEVEL:** A dashed line labeled "W.L.D." near the bottom center.
- VERTICAL ALIGNMENT:** Vertical alignment markers #25, #26, #27, and #28 are shown along the proposed structures.
- TOP:** A dashed line labeled "TOP" indicating the top surface of the proposed structures.
- LOD:** A dashed line labeled "LOD" indicating the low point of drainage.
- YARDING:** A dashed line labeled "YARDING" near the bottom center.



**BOHLER**<sup>TM</sup>  
ENGINEERING

| REVISIONS |            |                              |               |
|-----------|------------|------------------------------|---------------|
| REV       | DATE       | COMMENT                      | DRAFT<br>CODE |
| 1         | 10/13/2018 | REV. PER ARMY CORPS COMMENTS | AR<br>MR      |
| 2         | 08/01/2017 | REV. PER ARMY CORPS COMMENTS | AR<br>EE      |

|             |                |
|-------------|----------------|
| PROJECT NO: | J110616        |
| DRAWN BY:   | MJR            |
| CHECKED BY: | DJ             |
| DATE:       | 09/16/2015     |
| SCALE:      | AS SHOWN       |
| CAD LD:     | J110616-SPP-08 |

|   |                     |
|---|---------------------|
| PROJECT:  | SITE<br>DEVELOPMENT |
|   | FOR                 |
| SIGNATURE<br>FLIGHT SUPPORT   |                     |
| TERTERBORG AIRPORT<br>BLOCK 203; PART OF LOT 1<br>BOROUGH OF TETERBORG<br>BERGEN COUNTY, NEW JERSEY |                     |



K.B. CAHILL

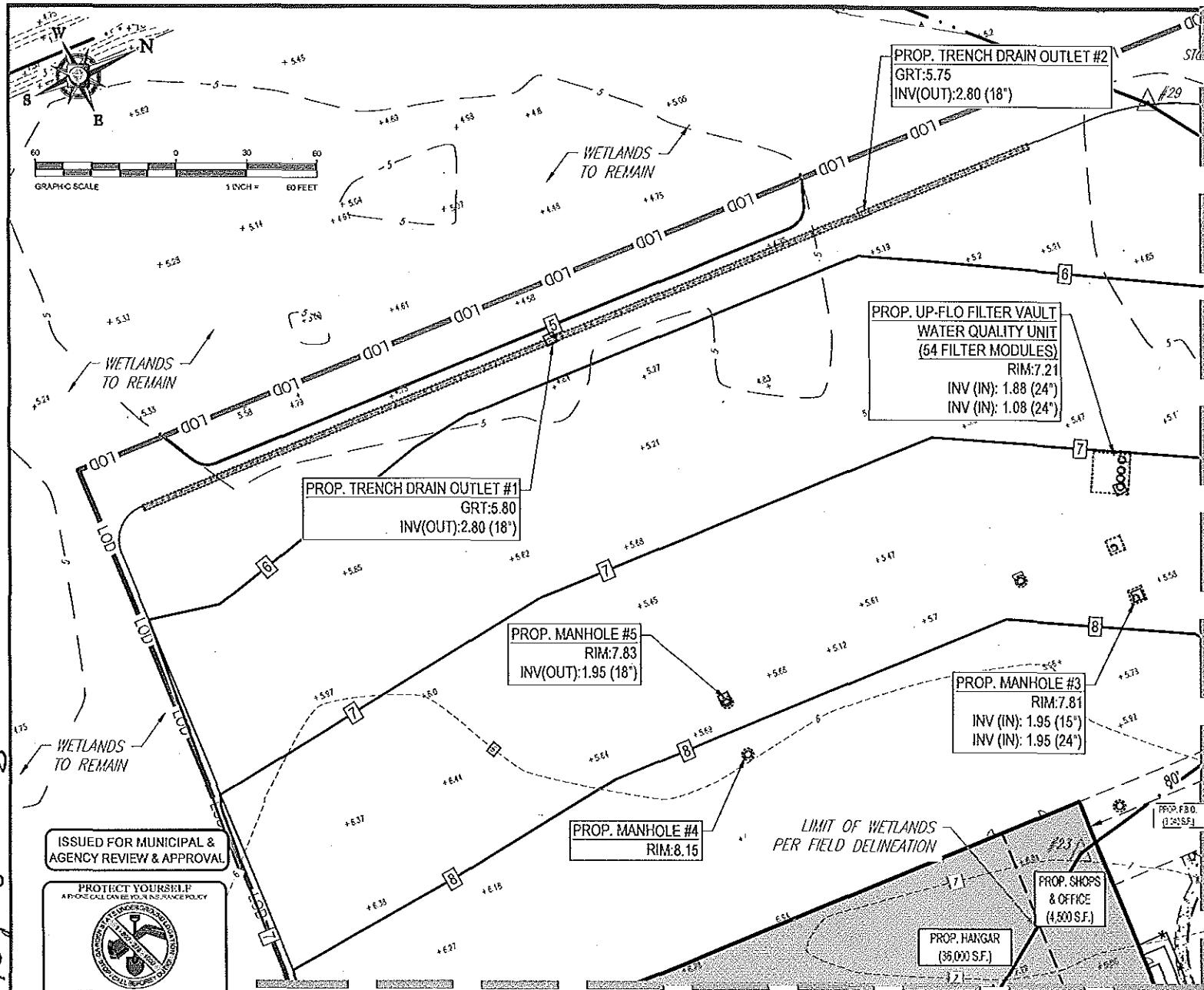
**PROFESSIONAL ENGINEER**  
NEW JERSEY LICENSE NO. 42004

**SHEET TITLE:**

**SITE PLAN (C)**

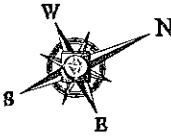






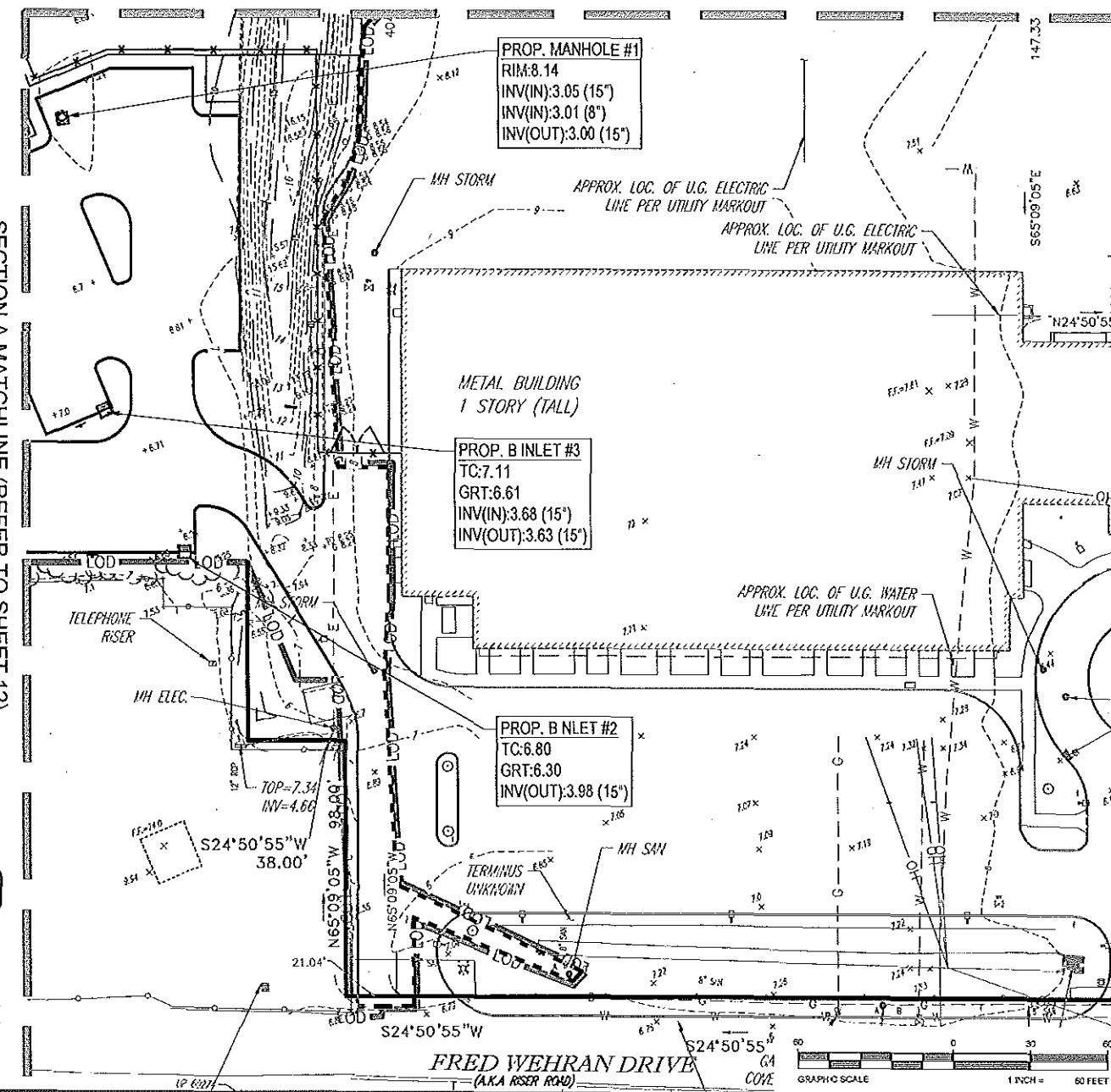
|   |                     |                                 |
|---|---------------------|---------------------------------|
| <b>BOHLER</b>   |                     |                                 |
| ENGINEERING   |                     |                                 |
|    |                     |                                 |
| REVISIONS   |                     |                                 |
| REV   | DATE                | COMMENT                         |
| 1   | 10/13/2016          | REV. PER ARMY CORPS COMMENTS MR |
| 2   | 03/01/2017          | REV. PER ARMY CORPS COMMENTS EE |
| PROJECT NO:   |                     |                                 |
| DRAWN BY:   | J110616             |                                 |
| CHECKED BY:   | MVR                 |                                 |
| DATE:   | DJ                  |                                 |
| SCALE:  | 09/16/2015 AS SHOWN |                                 |
| CAD ID:   | J110616-SP2-006     |                                 |
| PROJECT: SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT TETERBORO AIRPORT BLOCK 203; PART OF LOT 1 BOROUGH OF TETERBORO BERGEN COUNTY, NEW JERSEY  |                     |                                 |
|  <b>BOHLER</b><br>ENGINEERING  |                     |                                 |
| 35 TECHNOLOGY DRIVE<br>WARREN, NJ 07059<br>Phone: (908) 653-5300<br>Fax: (908) 754-1401<br><a href="http://www.BohlerEngineering.com">www.BohlerEngineering.com</a><br>E-MAIL: <a href="mailto:info@BohlerEngineering.com">info@BohlerEngineering.com</a> |                     |                                 |
| K.B. CAHILL   |                     |                                 |
| PROFESSIONAL ENGINEER<br>NEW JERSEY LICENSE NO. 42004   |                     |                                 |
| SHEET TITLE: GRADING PLAN (B)   |                     |                                 |
| SHEET NUMBER: 13<br>OF 23   |                     |                                 |





**SECTION C MATCHLINE (REFER TO SHEET 14)**

## SECTION A MATCHLINE (REFER TO SHEET 12)



ISSUED FOR MUNICIPAL &  
AGENCY REVIEW & APPROVAL



IF YOU DON'T PAY, IT CAN HURT YOU  
THE STATE OF NEW JERSEY REQUIRES NOTIFICATION OF  
DEBTORS, DESIGNERS, OR ANY PERSON RESPONSIBLE TO  
DISPLAY THE STATE'S SURFACE ANYWHERE IN THE STATE

| REVISIONS |            |                              |                 |
|-----------|------------|------------------------------|-----------------|
| REV       | DATE       | COMMENT                      | EX-116<br>DRAFT |
| 1         | 10/13/2016 | REV. PER ARMY CORPS COMMENTS | AR<br>MR        |
| 2         | 08/01/2017 | REV. PER ARMY CORPS COMMENTS | AR<br>EE        |

PROJECT No.: J110516  
DRAWN BY: M.J.R.  
CHECKED BY: D.J.  
DATE: 09-16-2015  
SCALE: AS SHOWN  
CAD ID: J110516-SPP-06

**PROJECT: SITE  
DEVELOPMENT FOR  
SIGNATURE FLIGHT SUPPORT  
TETERBORO AIRPORT  
BLOCK 203; PART OF LOT 1  
BOROUGH OF TETERBORO  
BERGEN COUNTY, NEW JERSEY**



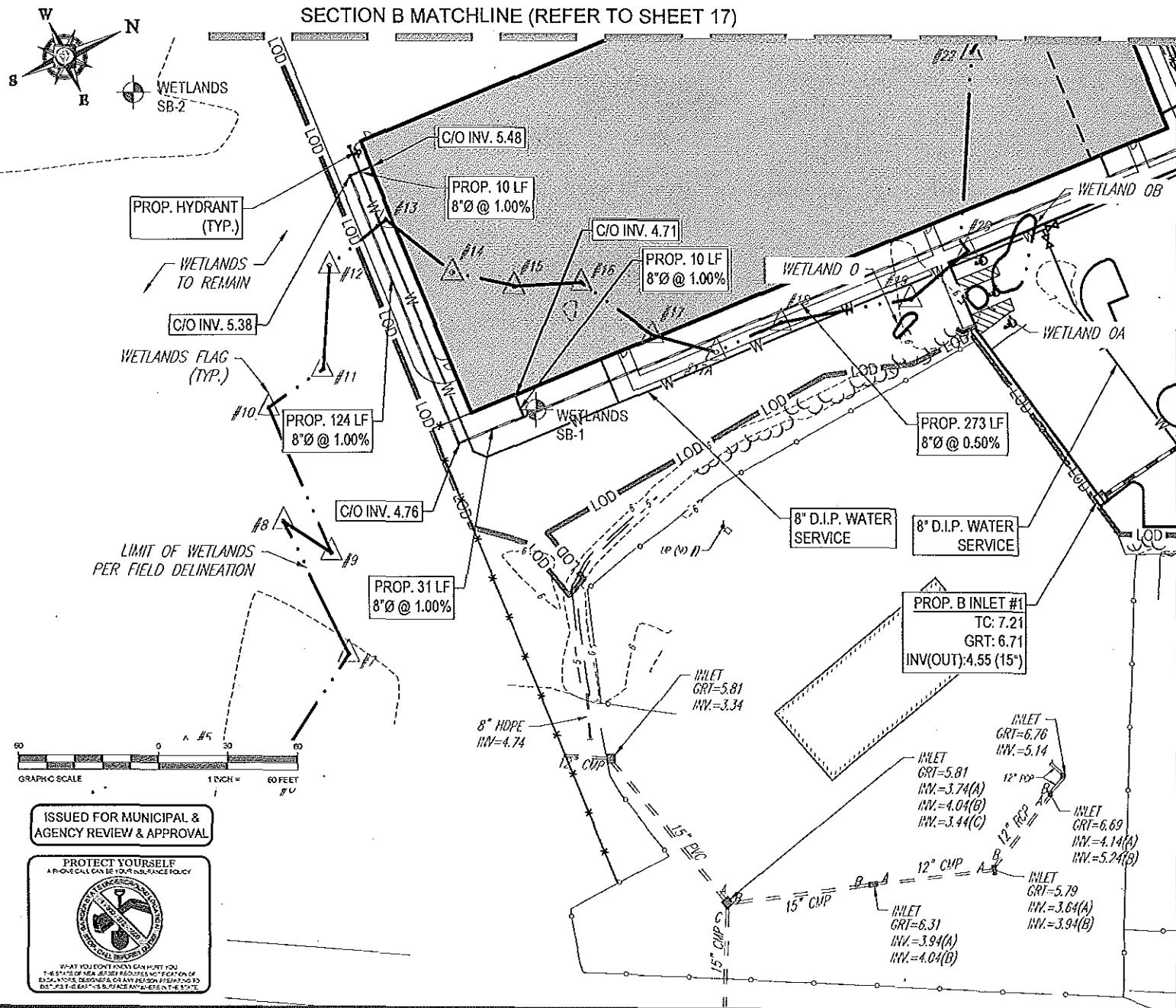
**35 TECHNOLOGY DRIVE**  
**WARREN, NJ 07059**  
Phone: (908) 653-6300  
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K.B. CAHILL

**PROFESSIONAL ENGINEER**  
NEW JERSEY LICENSE No. 42004

**SHEET TITLE:**  
**GRADING  
PLAN (D)**

**SECTION B MATCHLINE (REFER TO SHEET 17)**



| REVISIONS |            |                              |                |
|-----------|------------|------------------------------|----------------|
| REV       | DATE       | COMMENT                      | CHART<br>DESER |
| 1         | 10/13/2015 | REV. PER ARMY CORPS CONVENTS | AR<br>W/R      |
| 2         | 08/01/2017 | REV. PER ARMY CORPS CONVENTS | AR<br>BE       |

PROJECT NO.: J110616  
 DRAWN BY: MUR  
 CHECKED BY: DJ  
 DATE: 08/15/2015  
 SCALE: AS SHOWN  
 CAD ID: J110616-SP2-C8

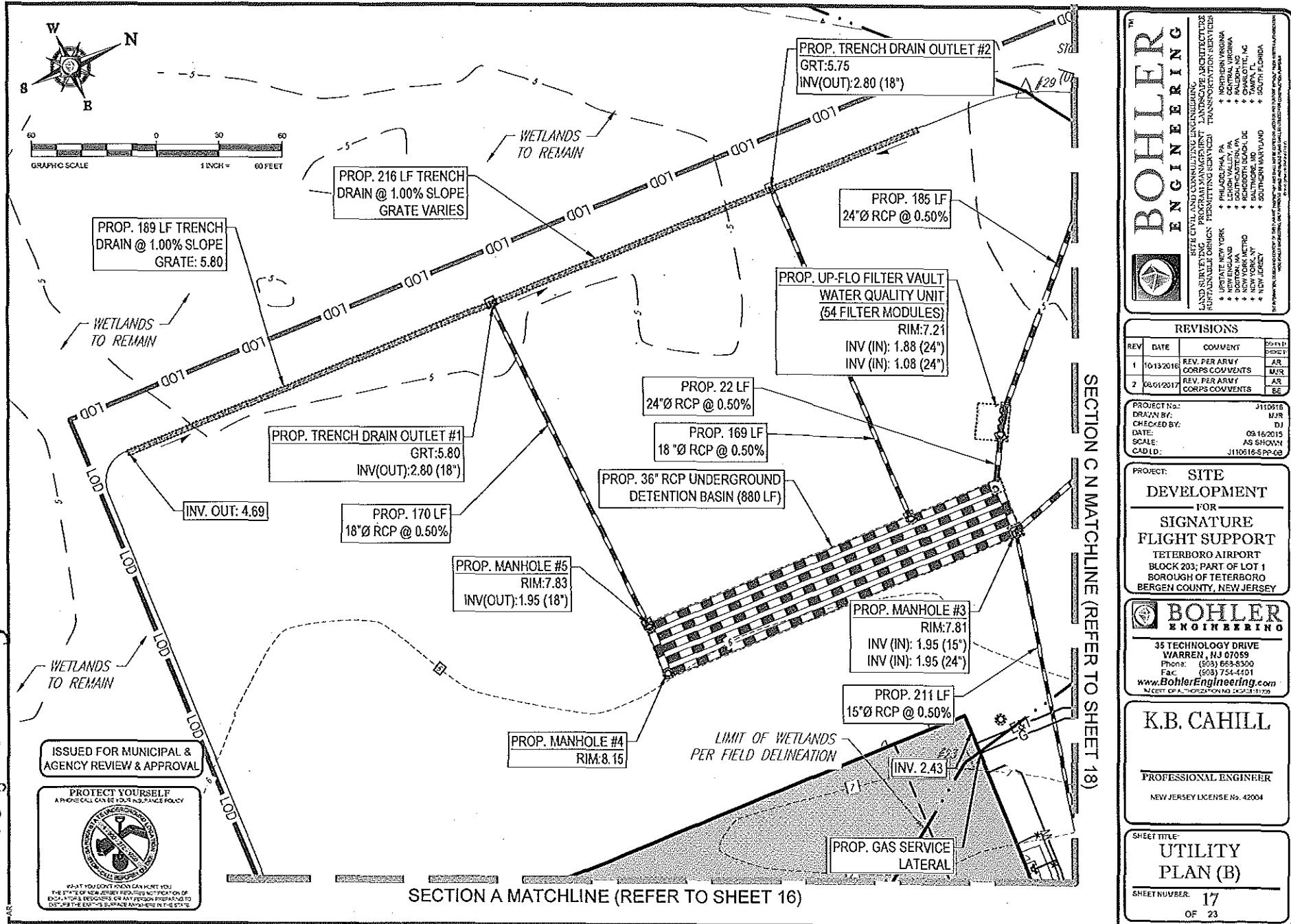
**PROJECT: SITE  
DEVELOPMENT  
FOR  
SIGNATURE  
FLIGHT SUPPORT**

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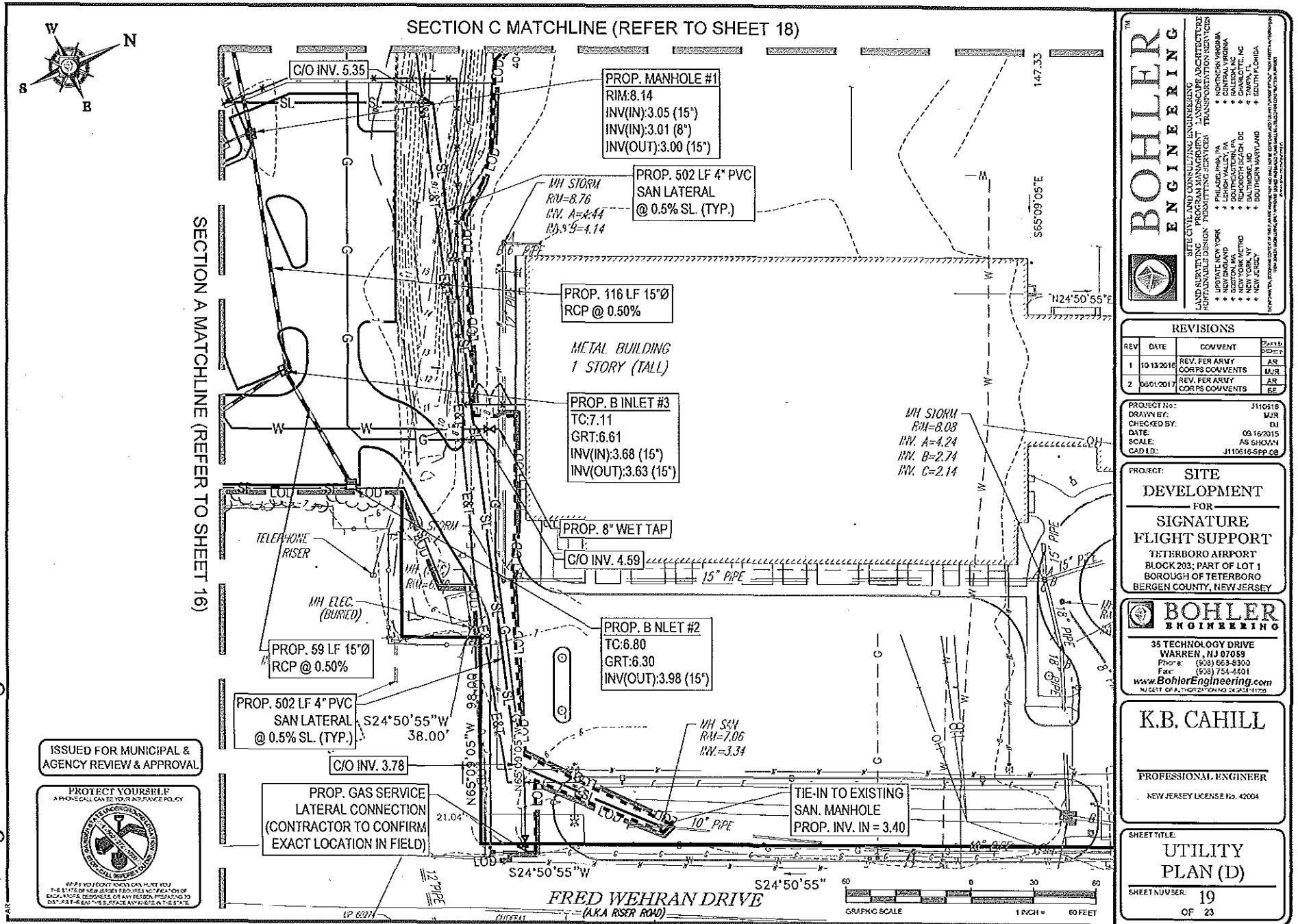
**TERETERBRO AIRPORT  
BLOCK 203; PART OF LOT 1  
BOROUGH OF TETERBRO  
BERGEN COUNTY, NEW JERSEY**

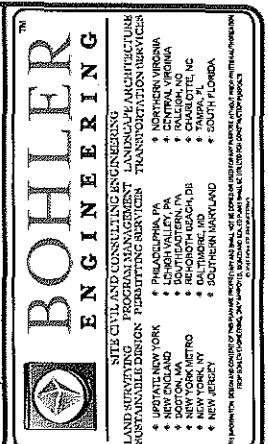
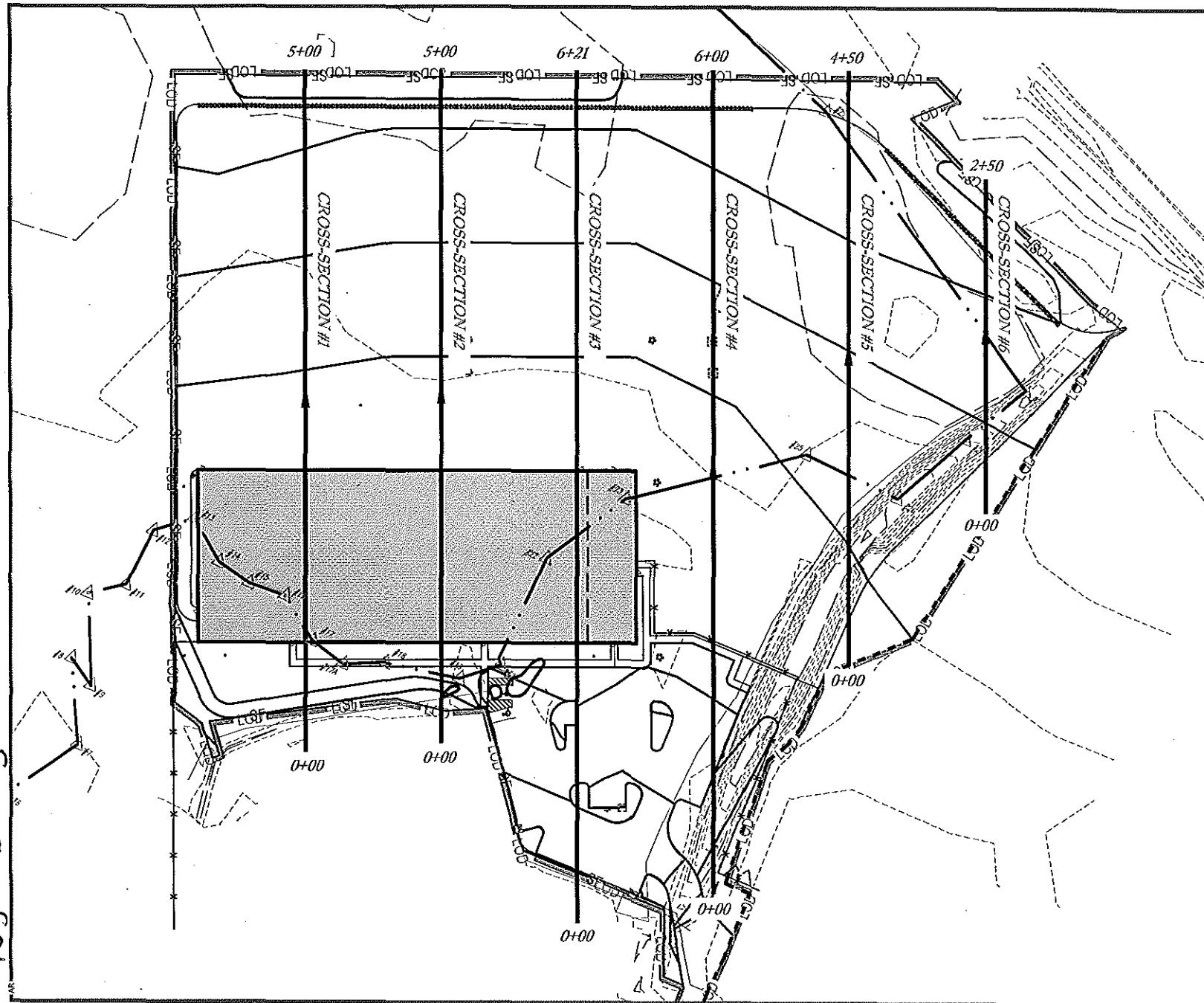
K.B. CAHILL  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 42004

**UTILITY  
PLAN (A)**









| REVISIONS |            |                                 |
|-----------|------------|---------------------------------|
| REV       | DATE       | COVENTURE                       |
| 1         | 10/13/2016 | REV FOR ARMY CORPS CONVENTS MVR |
| 2         | 08/01/2017 | REV FOR ARMY CORPS CONVENTS BE  |

PROJECT #: J110516  
DRAWN BY: MJS  
CHECKED BY: DJ  
DATE: 08/16/2015  
SCALE: AS SHOWN  
CAD LD: J110516-CRS-08

PROJECT: SITE DEVELOPMENT FOR SIGNATURE FLIGHT SUPPORT TETERBORO AIRPORT BLOCK 203; PART OF LOT 1 BOROUGH OF TETERBORO BERGEN COUNTY, NEW JERSEY

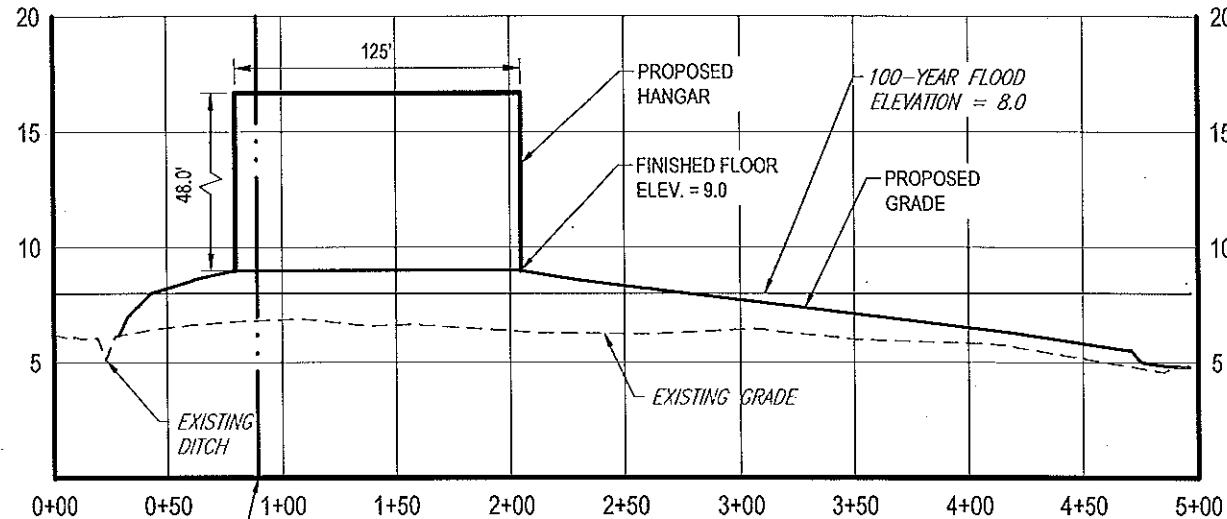
**BOHLER**  
ENGINEERING

35 TECHNOLOGY DRIVE  
WARREN, NJ 07059  
Phone: (908) 659-5330  
Fax: (908) 754-4401  
[www.BohlerEngineering.com](http://www.BohlerEngineering.com)  
NEGLIGENCE OF AUTHORIZATION NO. 2014-21-11172

K.B. CAHILL

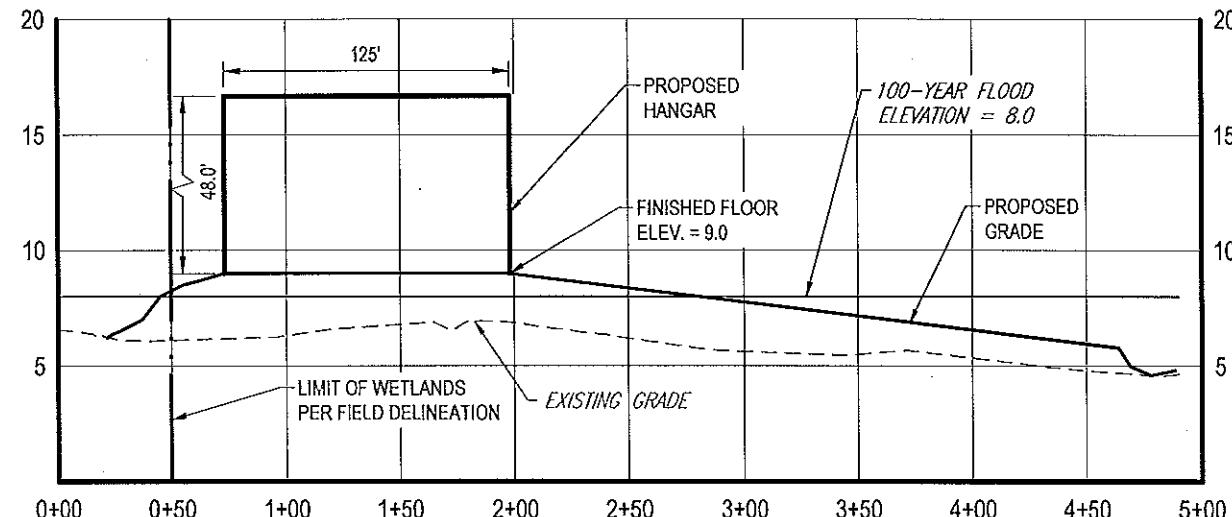
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 42004

SHEET TITLE: CROSS-SECTION KEY MAP  
SHEET NUMBER: 20  
OF 23



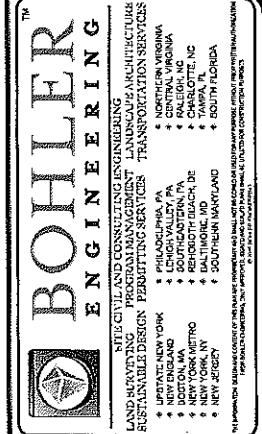
LIMIT OF WETLANDS / CROSS-SECTION #1  
PER FIELD DELINEATION

SCALE: 1° = 80' HORIZONTAL  
1° = 8' VERTICAL



## CROSS-SECTION #2

SCALE: 1" = 80' HORIZONTAL  
1" = 8' VERTICAL



| REVISIONS |            |                             |
|-----------|------------|-----------------------------|
| REV       | DATE       | COMVENT                     |
| 1         | 10/13/2018 | REV. PER ARMY CORPS COVENTS |
| 2         | 05/01/2017 | REV. PER ARMY CORPS COVENTS |

|             |                |
|-------------|----------------|
| PROJECT No: | J110618        |
| DRAWN BY:   | MJR            |
| CHECKED BY: | DJ             |
| DATE:       | 09/16/2015     |
| SCALE:      | AS SHOWN       |
| CAD ID:     | J110618-CRS-08 |

**PROJECT: SITE  
DEVELOPMENT  
FOR  
SIGNATURE  
FLIGHT SUPPORT**



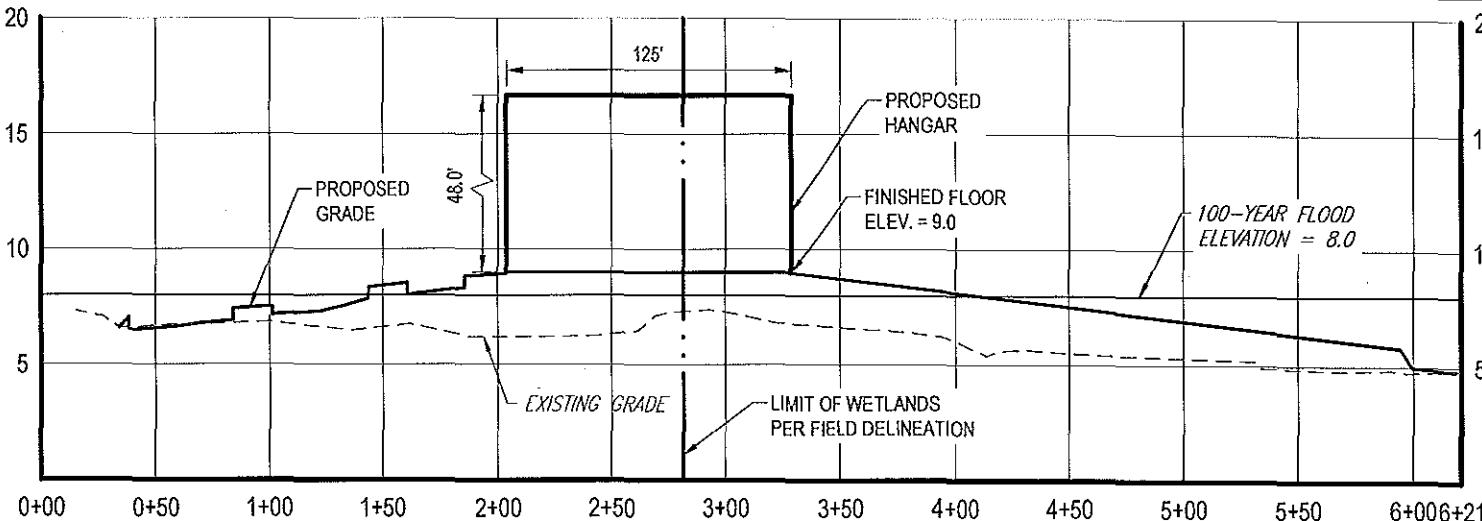
K.B. CAHILL

**PROFESSIONAL ENGINEER**  
NEW JERSEY LICENSE No. 42004

**SHEET TITLE:**

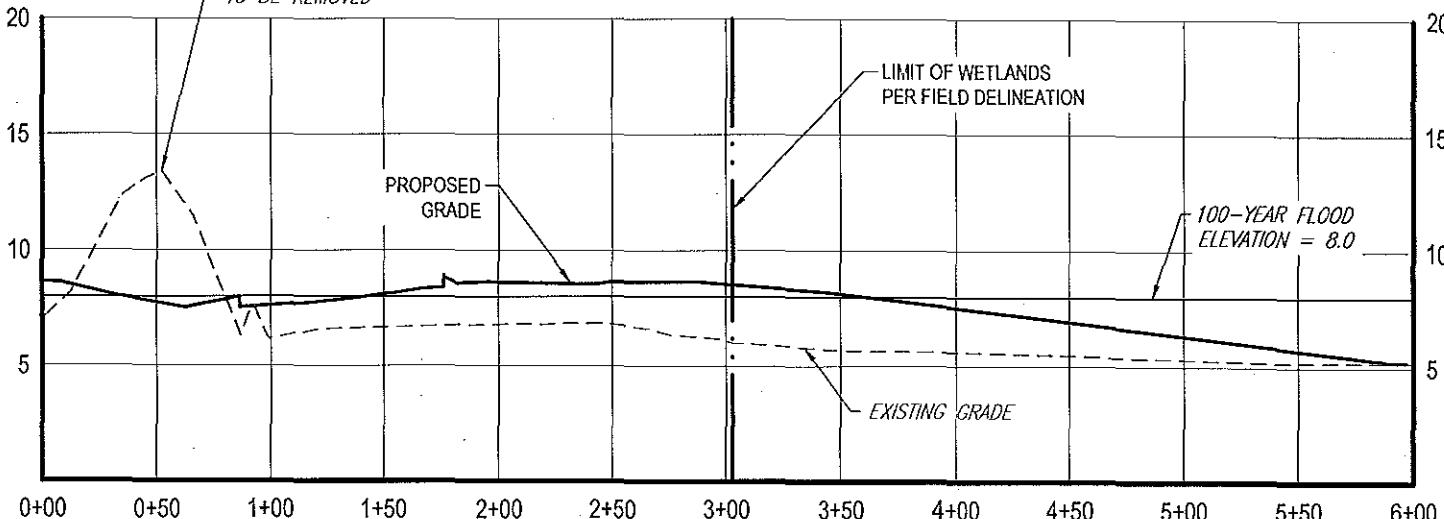
**PROP.CROSS-  
SECTIONS (A)**

SHEET NUMBER. 21  
OF 23



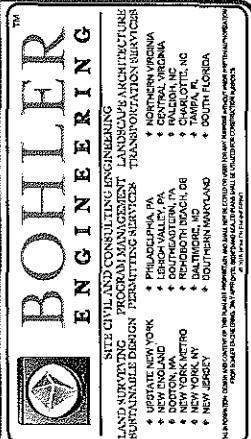
### CROSS-SECTION #3

SCALE: 1" = 80' HORIZONTAL  
1" = 8' VERTICAL



## CROSS-SECTION #4

SCALE: 1" = 80' HORIZONTAL  
1" = 8' VERTICAL



| REVISIONS |            |                                 |           |
|-----------|------------|---------------------------------|-----------|
| REV.      | DATE       | COUVENT                         | DISP.     |
| 1         | 10/13/2016 | REV. PER ARMY<br>CORPS COUVENTS | AR<br>MUR |
| 2         | 08/01/2017 | REV. PER ARMY<br>CORPS COUVENTS | AR<br>RF  |

|              |                |
|--------------|----------------|
| PROJECT NO.: | J110616        |
| DRAWN BY:    | MJR            |
| CHECKED BY:  | DU             |
| DATE:        | 09-16-2015     |
| SCALE:       | AS SHOWN       |
| CAD LD.:     | J110616-CRS-08 |

**PROJECT: SITE  
DEVELOPMENT  
FOR  
SIGNATURE  
FLIGHT SUPPORT  
TETERBORO AIRPORT  
BLOCK 203; PART OF LOT 1  
BOROUGH OF TETERBORO  
BERGEN COUNTY, NEW JERSEY**

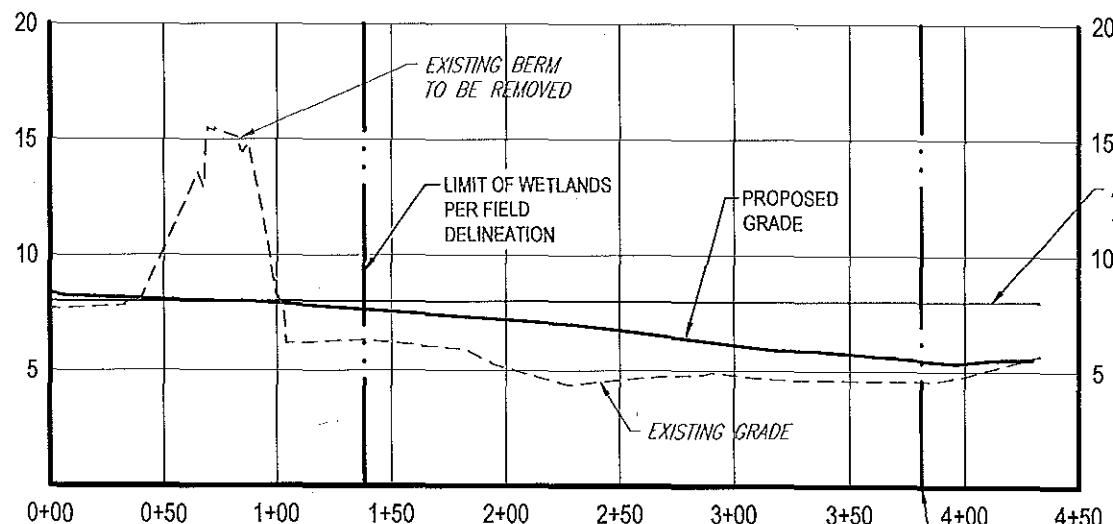


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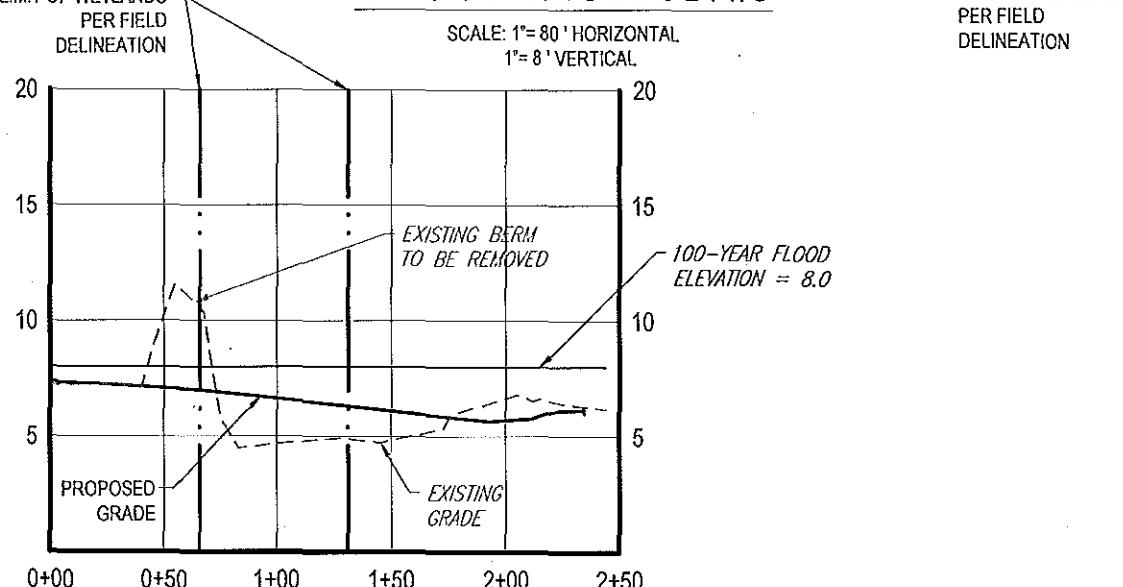
**SHEET TITLE:**  
**PROP.CROSS-**  
**SECTIONS (B)**

SHEET NUMBER: 22  
OF 23



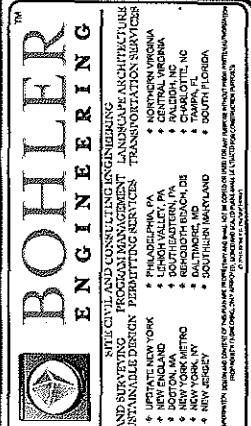
## CROSS-SECTION #5

SCALE: 1° = 80' HORIZONTAL  
1° = 8' VERTICAL



### CROSS-SECTION #6

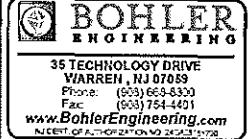
SCALE: 1" = 80' HORIZONTAL  
1" = 8' VERTICAL



| REVISIONS |            |                                 |           |
|-----------|------------|---------------------------------|-----------|
| REV       | DATE       | COMMENT                         | DATA BY   |
| 1         | 10/13/2012 | REV. PER ARMY<br>CORPS CONVENTS | AR<br>M/R |
| 2         | 06/01/2012 | REV. PER ARMY<br>CORPS CONVENTS | AR<br>BE  |

|             |                |
|-------------|----------------|
| PROJECT #:  | J110616        |
| DRAWN BY:   | MJR            |
| CHECKED BY: | DJ             |
| DATE:       | 09/16/2015     |
| SCALE:      | AS SHOWN       |
| CAD ID:     | J110616-CRS-08 |

**PROJECT: SITE  
DEVELOPMENT  
FOR  
SIGNATURE  
FLIGHT SUPPORT**

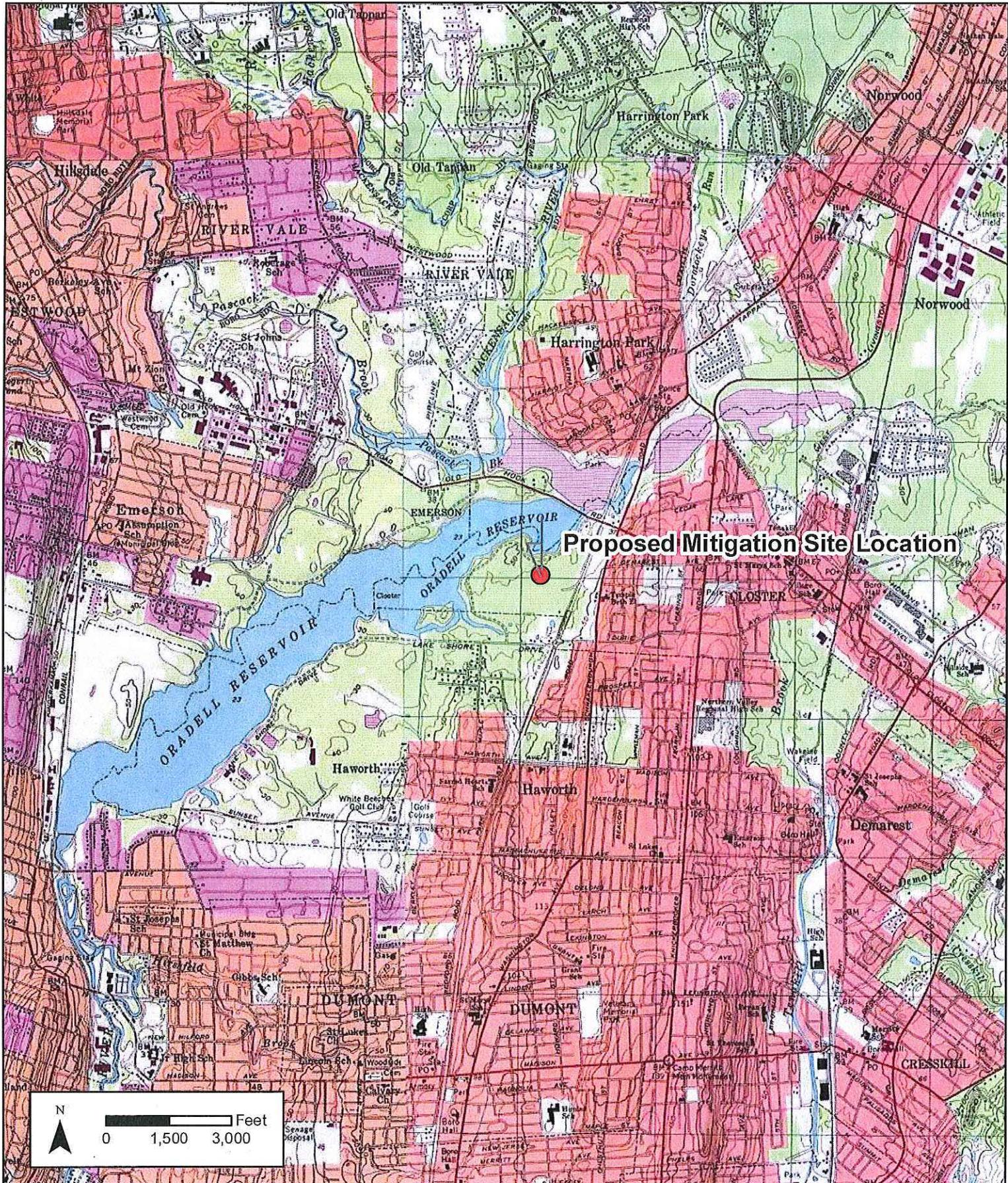


K.B. CAHILL  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 42004

**SHEET TITLE:**  
**PROP.CROSS-  
SECTIONS (C)**

---

**SHEET NUMBER:** 23



● Proposed Mitigation Site Location

**Signature Flight Support  
Expansion**  
Block 203, Lot 1  
Borough of Teterboro, NJ

**GreenVest**  
VISION • PERFORMANCE • RESULTS

**USGS Mitigation Site Location Map**

|  |  |  |
|--|--|--|
| MARYLAND   | NEW JERSEY   | NORTH CAROLINA                                     |
| 2200 Somerville Rd<br>Suite 300<br>Annapolis, MD 21401<br>410.987.5500 | 3175 Route 10<br>Suite 100<br>Donville, NJ 07834<br>732.902.6614 | 4405 Dewes Ct<br>Raleigh, NC 27611<br>919.349.2224 |

1 in = 3,000 ft @ 8.5 x 11 Date: 8/17/2017

## Signature Flight Support Wetland Mitigation

### Forested/Scrub-Shrub Mitigation

- [Green] Wetland Enhancement Area A1 - 7.35 ac.
- [Blue] Wetland Creation Area - 1.16 ac
- [Purple] Upland Enhancement Area - 1.01 ac

### Emergent/Scrub-Shrub Mitigation

- [Green] Wetland Enhancement Area A2 - 4.20 ac



**CALL BEFORE YOU DIG!**  
NEW JERSEY LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE – STOP CALL  
NEW JERSEY CCE CALL SYSTEM, INC.  
REFERENCE NEW JERSEY TITLE 48, CHPT. 2, ARTICLE 9  
**1-800-272-1000**

### PROJECT NOTES

#### PROJECT DATA SOURCES:

- HORIZONTAL DATUM IS NAD 1983 FEET, VERTICAL DATUM IS NAVD 1988 FEET.
- PROPERTY BOUNDARY, AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY CREDWEST, LLC, ON NOVEMBER 20 AND 28, 2012.
- SOIL SURVEY AND TOPOGRAPHIC SURVEY PREPARED FOR LOIS 2 & 4, BLOCK 101 AND LOTS 1, 2 & 3, 31 COX 201 BOROUGH OF CLIFTON, MORRIN COUNTY, NEW JERSEY AND LOIS 1 & 2, BLOCK 101 AND LOTS 1, 2 & 3, 31 COX 201 BOROUGH OF CLIFTON, BERGEN COUNTY, NEW JERSEY, BY MICHAEL A. CATALANO LAND SURVEYING, PLANNING, P.O. BOX 233, 171 HIGH STREET, HENSTON, NEW JERSEY 07645, DATED NOVEMBER 23, 2012.
- TOPOGRAPHIC INFORMATION FROM AERIAL SURVEY FLIGHT ON NOVEMBER 16, 1997 BY ATLANTIS AERIAL SURVEY CO., INC. AND WAS SUPPLEMENTED BY MICHAEL A. CATALANO LAND SURVEYING.
- WETLAND DELINEATION COMPLETED BY GREENVEST, LLC IN JUNE 2012.
- FLOOD HAZARD ELEVATION (S.E.L.) 24.0 (NVD 1988) OR EL. 23.0 (NGVD 1929) AND FLOODPLAIN AREAS PROVIDED FOR THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES, DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA FOR ORADELL RESERVOIR, BOROUGH OF CLIFTON, BERGEN COUNTY, NEW JERSEY.
- ELEVATIONS IN NAVD 1988 CAN BE CONVERTED TO NGVD 1929 BY ADDING 1.01 FT.

| DATE | DESCRIPTION |
|------|-------------|
|      | REVISIONS   |

STATE OF NEW JERSEY CERTIFICATE OF AUTL.  
NO.: 24CA27976900

**MARY L. PAIST-GOLDMAN**  
Professional Engineer  
NJ Lic. No. GE-45798

DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE: 908.237.5660  
FAX: 908.237.5666  
[WWW.PRINCETONHYDRO.COM](http://WWW.PRINCETONHYDRO.COM)

**GreenVest**  
Green Site Solutions

PROJECT NAME/LOCATION:

ORADELL RESERVOIR MITIGATION SITE  
BLOCK 200, LOTS 1 & 2, AND BLOCK 1100 LCT. 1,  
BOROUGH OF HAWTHORNE,  
BLOCK 201, LOTS 2 & 3, BOROUGH OF CLOSTER  
BERGEN COUNTY, NEW JERSEY

DRAWING NAME:

MITIGATION PLAN FOR  
SIGNATURE FLIGHT SUPPORT

|              |            |
|--------------|------------|
| DATE:        | 04/24/2013 |
| PROJECT NO.: | 995.017    |
| SCALE:       | 1" = 100'  |
| DRAWN BY:    | LJKC       |
| CHECKED BY:  | MPG        |

SHEET  
NO.

2A

OF

3

Figure 25 of 26

## Signature Flight Support Wetland Mitigation

### Forested/Scrub-Shrub Mitigation

- Wetland Enhancement Area A1 - 7.35 ac.
- Wetland Creation Area - 1.16 ac
- Upland Enhancement Area - 1.01 ac

### Emergent/Scrub-Shrub Mitigation

- Wetland Enhancement Area A2 - 4.20 ac



CALL BEFORE YOU DIG!  
NEW JERSEY LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
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NEW JERSEY ONE CALL SYSTEM, INC.  
REFERENCE NEW JERSEY TITLE 4B, CHPT. 2, ARTICLE 9

1-800-272-1000

### PROJECT NOTES

- PROJECT DATA SOURCES:
1. HORIZONTAL DATUM IS NAD 1983 FEET, VERTICAL DATUM IS NAVD 1929 FEET.
  2. PROPERTY BOUNDARY AND TOPOGRAPHIC AND EXISTING SITE FEATURES WERE PROVIDED IN DIGITAL FORMAT BY GREENVEST, LLC, ON NOVEMBER 20 AND 29, 2012.
  3. BOUNDARY & TOPOGRAPHIC SURVEY PREPARED FOR LOTS 2 & 4, BLOCK 200, LOT 1, X-1, X-2, X-3, X-4, X-5, X-6, X-7, X-8, X-9, X-10, X-11, X-12, X-13, X-14, X-15, X-16, X-17, X-18, X-19, X-20, X-21, X-22, X-23, X-24, X-25, X-26, X-27, X-28, X-29, X-30, X-31, X-32, X-33, X-34, X-35, X-36, X-37, X-38, X-39, X-40, X-41, X-42, X-43, X-44, X-45, X-46, X-47, X-48, X-49, X-50, X-51, X-52, X-53, X-54, X-55, X-56, X-57, X-58, X-59, X-60, X-61, X-62, X-63, X-64, X-65, X-66, X-67, X-68, X-69, X-70, X-71, X-72, X-73, X-74, X-75, X-76, X-77, X-78, X-79, X-80, X-81, X-82, X-83, X-84, X-85, X-86, X-87, X-88, X-89, X-90, X-91, X-92, X-93, X-94, X-95, X-96, X-97, X-98, X-99, X-100, X-101, X-102, X-103, X-104, X-105, X-106, X-107, X-108, X-109, X-110, X-111, X-112, X-113, X-114, X-115, X-116, X-117, X-118, X-119, X-120, X-121, X-122, X-123, X-124, X-125, X-126, X-127, X-128, X-129, X-130, X-131, X-132, X-133, X-134, X-135, X-136, X-137, X-138, X-139, X-140, X-141, X-142, X-143, X-144, X-145, X-146, X-147, X-148, 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